

Claim Amendments:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A method comprising:
receiving one or more transport packets;
identifying a transport packet as containing audio stream data;
comparing a value of a first field in the transport packet to a value of a first field register to determine a first outcome in response to identifying the transport packet as containing audio stream data; and
determining whether to enable audio stream data related to the transport packet to be received by a system or to discard the transport packet, based at least in part on the first outcome.
2. (Previously Presented) The method as in Claim 1, wherein the system is a decoding system and the method further includes providing the audio stream data related to the transport packet to a decoding system.
3. (Previously Presented) The method as in Claim 2, wherein the audio stream data includes Packetized Elementary Stream (PES) audio data.
4. (Original) The method as in Claim 2, wherein the decoding system detects an audio stream data property through a stream indicator included in the audio stream data.
5. (Previously Presented) The method as in Claim 4, wherein the data property includes an audio type.
6. (Original) The method as in Claim 4, wherein the data property includes a sampling rate.

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7. (Previously Presented) The method as in Claim 4, wherein the stream indicator includes one or more start codes.

8. (Previously Presented) The method as in Claim 4, wherein the stream indicator includes one or more presentation time stamps.

9. (Previously Presented) The method as in Claim 2, wherein the audio decoding system includes one of a Moving Pictures Experts Group (MPEG) audio decoder, an Audio Compression-3 (AC-3) audio decoder, an Advanced Audio Coding (AAC) audio decoder or a Digital Theatre Systems (DTS) audio decoder.

10. (Previously Presented) The method as in Claim 2, wherein the decoding system includes an Inter-Integrated Circuit Sound (I2S) formatter.

11. (Original) The method as in Claim 2, wherein the decoding system is capable of generating an interrupt to control receiving the audio data related to the transport packet.

12. (Previously Presented) The method as in Claim 11, wherein the interrupt is initiated through an application.

13. (Previously Presented) The method as in Claim 1, further including providing audio data related to the transport packet to memory.

14. (Previously Presented) The method as in Claim 13, wherein providing audio data related to the transport packet to memory includes bus-mastering the audio data related to the transport packet to memory.

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15. (Previously Presented) A system for parsing audio data associated with a transport packet of a packetized elementary stream, the system comprising:

a data bus having a predetermined number of nodes for transmitting a plurality of data words;

a transport packet parser having:

a storage location having an output coupled to the data bus, the storage location to store a value identifying a first data word, wherein the first data word has a first audio packet indicator;

a first comparator having a first input coupled to the output of the storage location and an output coupled to an audio parser;

said audio parser having an enable input coupled to the first comparator, the audio parser further includes:

a first storage location having an output coupled to the data bus, the first storage location to store a first value representing a valid data word having the first audio packet indicator;

a second storage location for storing a second value representing a second audio packet indicator;

a first audio packet filter for analyzing the first value with respect to the second value; and

a second comparator having an input coupled to the output of the first storage location of said audio parser and an output; and

an audio decoding system having an input coupled to said output of the second comparator, said audio decoding system including an elementary stream formatter for processing audio data associated with the data word into an elementary stream;

wherein the audio decoding system is enabled to process said audio data or to discard said audio data associated with the data word based at least in part on said output of the second comparator.

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16. (Original) The system as in Claim 15, wherein said comparable audio packet indicator includes a stream identifier.

17. (Original) The system as in Claim 15, further including a bus-master controller.

18. (Previously Presented) The system as in Claim 17, wherein said bus-master controller is to bus-master a representative of said first data word from said audio parser to memory.

19. (Previously Presented) The method as in Claim 15, wherein said audio decoder processes a representative of the first data word from said audio parser into audio data.

20. (Canceled)

21. (Previously Presented) The method as in Claim 15, wherein said audio decoding system includes an I2S formatter.

22. (Previously Presented) The method as in Claim 15, wherein said audio decoding system is capable of generating an interrupt in response to a request for a particular portion of audio data to be processed by said audio parser.

23. (Previously Presented) The method as in Claim 22, wherein said interrupt is generated through an application.

24. (Original) The system as in Claim 19, wherein said decoding system is capable of identifying an audio property of the representative of the first data word through a second audio packet indicator.

25. (Original) The system as in Claim 24, wherein said audio property includes an audio type.

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26. (Original) The system as in Claim 24, wherein said audio property includes a sampling rate.

27. (Previously Presented) The system as in Claim 24, wherein said second audio packet indicator includes one or more start codes.

28. (Original) The system as in Claim 24, wherein said second audio packet indicator includes a presentation timestamp.

29. (Previously Presented) The system as in Claim 15, wherein said audio decoding system is represented through hardware.

30. (Canceled)

31. (Previously Presented) The system as in Claim 15, wherein said audio decoding system includes one of a Moving Pictures Experts Group (MPEG) audio decoder, an Audio Compression-3 (AC-3) audio decoder, an Advanced Audio Coding (AAC) audio decoder or a Digital Theatre Systems (DTS) audio decoder.

32. (Previously Presented) A system comprising:
means for receiving one or more transport packets;
means for identifying a transport packet as containing audio stream data; and
means for determining whether to enable audio stream data related to the transport packet to be received by a system or to discard the transport packet based at least in part on a comparison of a value of a first field in the transport packet to a value of a first field register, wherein the comparison is in response to identifying the transport packet as containing audio stream data.